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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/565,100	08/29/2006	Nicola Frances Bateman	056291-5230	6134
	7590 09/05/200 VIS & BOCKIUS LLP	EXAMINER		
1111 PENNSY	LVANIA AVENUE N		DICKINSON, PAUL W	
WASHINGTON, DC 20004			ART UNIT	PAPER NUMBER
			1618	
			MAIL DATE	DELIVERY MODE
			09/05/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/565,100	BATEMAN ET AL.
Office Action Summary	Examiner	Art Unit
	PAUL DICKINSON	1618
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perions Failure to reply within the set or extended period for reply will, by status Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATIO 1.136(a). In no event, however, may a reply be tind will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONI	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on <u>05</u> This action is FINAL . 2b) ☑ The 3) ☐ Since this application is in condition for allow closed in accordance with the practice under	nis action is non-final. vance except for formal matters, pr	
Disposition of Claims		
4) ☐ Claim(s) 1-19 is/are pending in the application 4a) Of the above claim(s) 3, 5, 7, 17-19 is/are 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1,2,4,6 and 8-16 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and Application Papers 9) ☐ The specification is objected to by the Examination of the drawing(s) filed on is/are: a) ☐ according to a position of the drawing(s) filed on is/are: a) ☐ according to a position of the application	e withdrawn from consideration. /or election requirement. ner.	Examiner.
Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the I	ne drawing(s) be held in abeyance. Se ection is required if the drawing(s) is ob	ee 37 CFR 1.85(a). pjected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority docume 2. ☐ Certified copies of the priority docume 3. ☐ Copies of the certified copies of the prapplication from the International Bure * See the attached detailed Office action for a list	nts have been received. nts have been received in Applicationity documents have been receiveau (PCT Rule 17.2(a)).	tion No red in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal 6) Other:	oate

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DETAILED ACTION

Applicant's arguments, filed 6/5/2008, have been fully considered but they are not deemed to be fully persuasive. Rejections and/or objections not reiterated from previous office actions are hereby withdrawn. The following rejections and/or objects are either reiterated or newly applied. They constitute the complete set presently being applied to the instant application.

Notes and Comments

In the previous office action, Claims 1, 2, 4, 6, and 8-16 were rejected under 35 U.S.C. 103(a) as unpatentable over US 5770559 in view of WO 2003072139 in further view of US 20040109890. Although this rejection is withdrawn, the Examiner would like to clarify that the citation of US 5770559 was a typographical error. The Examiner intended to cite US 5770599.

Double Patenting

Claims 1-2, 4, 6 and 8-16 are provisionally rejected on the ground of nonstatutory double patenting over claim 1-18 of copending Application No. 10505231 for the reasons set forth in the previous office action.

New Grounds of Rejection

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* **v.** *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-2, 4, 6 and 8-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over WO9633980 (WO '980; document provided by Applicant) in view of US 6096749 ('749). WO '980 discloses 4-(3'chloro-4'fluoroanilino)-7-methoxy-6-(3-morpholinopropoxy)guinazoline (the Agent), its pharmaceutical formulation, and its role

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as a tyrosine kinase inhibitor (see abstract; page 4, third paragraph; Example 27). WO '980 teaches addition of an acid, such as citric and fumaric acid (see page 7, last paragraph; Example 27; Example 32, Injection III). In one formulation, the Agent to acid weight ratio is 1:35 (see Example 32, Injection III). WO '980 teaches that the composition may be in a form suitable for oral administration, for example as a tablet or capsule (see page 19, second and third paragraphs). WO '980 teaches that pharmaceutical formulations of the Agent may be prepared by conventional manners using convention excipients (see page 19, fourth paragraph). WO '980 fails to disclose incorporation of hydroxypropylmethylcellulose.

'749 discloses tyrosine kinase inhibitors and their pharmaceutical formulations (see abstract). '749 discloses polymers such as hydroxypropylmethylcellulose and polyethylene glycol as appropriate excipients (col 16, lines 1-21). The tyrosine kinase inhibitor is present from approximately 1% to approximately 95% (see col 14, lines 65-66). In one example, the tyrosine kinase inhibitor to polyethylene glycol weight ratio is 23:1 (see Example 25; calculated from 250/11).

It would have been obvious to one of ordinary skill in the art at the time the instant invention was made to incorporate hydroxypropylmethylcellulose into the formulation disclosed by WO '980, as the Agent is a tyrosine kinase inhibitor, and '749 teaches hydroxypropylmethylcellulose as an appropriate excipient for tyrosine kinase inhibitor formulations. It would have been further obvious to find the weight ratios disclosed Instant Claims 12-14 through routine experimentation, as these ratios encompass the values disclosed by WO '980 and '749. Specifically, WO '980 teaches

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an Agent to acid weight ratio of 1:35. '749 teaches a tyrosine kinase inhibitor to polyethylene glycol weight ratio of 23:1. Although the later value pertains to polyethylene glycol and not hydroxypropylmethylcellulose, the two compounds are disclosed as equivalent excipients by '749, and it would be obvious to interchange the two. See MPEP § 2144.05, II.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PAUL DICKINSON whose telephone number is (571)270-3499. The examiner can normally be reached on Mon-Thurs 9:00am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Hartley can be reached on 571-272-0616. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Michael G. Hartley/ Supervisory Patent Examiner, Art Unit 1618 Paul Dickinson Examiner AU 1618

September 1, 2008